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## PATENT APPLICATION

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q79995

Hajime MAKI, et al.

Appln. No.: 10/785,083

Group Art Unit: 1755

Confirmation No.: 8545

Examiner: Unknown

Filed: February 25, 2004

For: METHOD FOR PRODUCING ALPHA-ALUMINA PARTICULATE

#### **INFORMATION DISCLOSURE STATEMENT** **UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

1. U.S. Patent No. 4,657,754 issued April 14, 1987, to Bauer et al.
2. Taichi Sato, "Aluminium Hydroxides and Aluminas", *Mineralogy Association Magazine*, Vol. 19, No. 1, March 1989, pp. 21-41.
3. A. Krell et al., "Nanocorundum—Advanced Synthesis and Processing", *NanoStructured Materials*, Vol. 11, No. 8, 1999, pp. 1141-1153.
4. WPI Abstract of WO 2000/069790, November, 2000.
5. S. Rajendran et al., "Fabrication of a Fine Grained Alumina Ceramic", *Key Engineering Materials*, Vol. 53-55, 1991, pp. 462-468.
6. B. Felde et al., "Synthesis of Ultrafine Alumina Powder by Sol-Gel Techniques", 9<sup>th</sup> *Cimtec World Ceramics Congress*, Ceramics: Getting into the 2000's - Part B, P. Vincenzini (Editor), 1999, pp. 49-56.

MAKI et al.  
U.S. Appln. No.: 10/785,083  
INFORMATION DISCLOSURE STATEMENT

7. Y. YE et al., "Preparation of Ultrafine  $\alpha$ -Al<sub>2</sub>O<sub>3</sub> Powder by Thermal Decomposition of AACH at Low Temperature", *The Chinese Journal of Process Engineering*, Vol. 2, No. 4, Aug. 2002, pp. 325-329, with English Abstract.

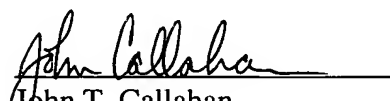
One copy of each of the listed documents, other than any U.S. patents and patent publications, is submitted herewith.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,

  
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WASHINGTON OFFICE

**23373**

CUSTOMER NUMBER

Date: July 29, 2004

Substitute for Form 1449 A & B/PTO <b><u>INFORMATION DISCLOSURE</u></b> <b><u>STATEMENT BY APPLICANT</u></b> (use as many sheets as necessary)				Complete if Known	
				Application Number	10/785,083
				Confirmation Number	8545
				Filing Date	February 25, 2004
				First Named Inventor	Hajime MAKI
				Art Unit	1755
				Examiner Name	Unknown
Sheet 1 of 1				Attorney Docket Number	Q79995

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US 4,657,754	A	04-14-1987	Bauer et al.
		US			
		US			
		US			
		US			
		US			
		US			
		US			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
		Taichi Sato, "Aluminium Hydroxides and Aluminas", <i>Mineralogy Association Magazine</i> , Vol. 19, No. 1, March 1989, pp. 21-41	
		A. Krell et al., "Nanocorundum—Advanced Synthesis and Processing", <i>NanoStructured Materials</i> , Vol. 11, No. 8, 1999, pp. 1141-1153	
		WPI Abstract of WO 2000/069790, November, 2000	
		S. Rajendran et al., "Fabrication of a Fine Grained Alumina Ceramic", <i>Key Engineering Materials</i> , Vol. 53-55, 1991, pp. 462-468	
		B. Felde et al., "Synthesis of Ultrafine Alumina Powder by Sol-Gel Techniques", <i>9<sup>th</sup> Cimtec World Ceramics Congress</i> , Ceramics: Getting into the 2000's - Part B, P. Vincenzini (Editor), 1999, pp. 49-56	
		Y. YE et al., "Preparation of Ultrafine $\alpha$ -Al <sub>2</sub> O <sub>3</sub> Powder by Thermal Decomposition of AACH at Low Temperature", <i>The Chinese Journal of Process Engineering</i> , Vol. 2, No. 4, Aug. 2002, pp. 325-329, with English Abstract	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to indicate here if English language Translation is attached.